

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : HITACHI PLANT ENG &
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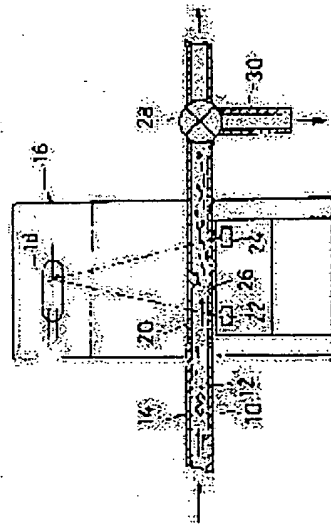
(72)Inventor : YOSHIDA TADASHI
FUKUZAWA KUNIYUKI
HAYATA FUMITAKA

(54) INSPECTION INSTRUMENT FOR FOREIGN MATTER IN FOOD STUFF

(57)Abstract:

PURPOSE: To enable accurate detection of foreign matter mixed into food by turning a food being conveyed with a carrying fluid made turbulent within a pipeline irregularly to measure the food with a plurality of one-dimensional X-ray sensors.

CONSTITUTION: A carrying fluid 12 passing through a pipeline 20 together with food 10 is made turbulent by a turbulent generation means 26. As a result, the food 10 is conveyed being rotated irregularly and the food 10 being rotated is irradiated with X rays from an X-ray generator 18. Then, foreign matter is detected with a plurality of one-dimensional X-ray sensors 22 and 24 set along the pipeline 20. With such an arrangement, even when the foreign matter such as shell mixed into the food 10 is not detected with the one-dimensional X-ray sensor 22 on the upstream side according to the shape and posture thereof, it can be detected because the posture of the foreign matter changes when passing above the sensor 24.



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